

Studying strong interactions and the hadron spectrum in photoproduction with the GlueX experiment

Wednesday, September 25, 2024 10:40 AM (40 minutes)

The GlueX Collaboration, based at Jefferson Lab, has collected a unique set of photon-proton collision data using linearly polarized photons in the 8-12 GeV energy range. This data set permits a study of the production dynamics of resonances and searches for new states, including hybrid mesons. I will present recent results on the production of established light mesons and the J/ψ as well as the prospects for searching for hybrid mesons in photoproduction. The plans and longterm prospects for future running of the GlueX experiment will also be discussed.

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